

#12/Andt B  
P. 05/18 4:3:02  
C. Wiles

HARTER, SECREST & EMERY LLP  
ATTORNEYS AT LAW

## PATENTS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Krivitski, Nikolai M. Atty. Docket: 86017.000010

Serial No.: 09/419,849 Examiner: C. Dickens

Filed: October 19, 1999 Art Unit: 2855

Title: METHOD AND APPARATUS TO MEASURE BLOOD FLOW BY AN INTRODUCED VOLUME CHANGE

## A M E N D M E N T

FAX COPY RECEIVED

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

APR 1 - 2002

Sir:

TECHNOLOGY CENTER 2800

In response to the Office Action mailed October 1, 2001, please consider the application amended as follows:

In the Claims:

*Set 1/7*  
1. (Once Amended) A method for determining an initial flow rate of a liquid in a conduit, comprising:

- (a) introducing a discrete known volume over a known time to the initial flow rate;  
(b) sensing a corresponding resulting change in the flow in the conduit; and  
(c) determining the initial flow rate in response to the introduced known volume, the known time and the sensed resulting change.

*b1*  
2. (Once Amended) The method of Claim 1, wherein introducing the discrete known volume over the known time includes injecting or withdrawing the discrete volume from the conduit.

3. The method of Claim 1, further comprising employing one of a flow characteristic sensor and a liquid characteristic sensor.